

[CHAIRMEN'S PROPOSED CONFERENCE REPORT]

NOVEMBER 17, 2003

1 **TITLE XI—PERSONNEL AND**
2 **TRAINING**

3 **SEC. 1101. TRAINING GUIDELINES FOR ELECTRIC ENERGY**
4 **INDUSTRY PERSONNEL.**

5 The Secretary of Energy, in consultation with the
6 Secretary of Labor and jointly with the electric industry
7 and recognized employee representatives, shall develop
8 model personnel training guidelines to support electric sys-
9 tem reliability and safety. The training guidelines shall,
10 at a minimum—

11 (1) include training requirements for workers
12 engaged in the construction, operation, inspection,
13 and maintenance of electric generation, trans-
14 mission, and distribution, including competency and
15 certification requirements, and assessment require-
16 ments that include initial and ongoing evaluation of
17 workers, recertification assessment procedures, and
18 methods for examining or testing the qualification of
19 individuals performing covered tasks; and

20 (2) consolidate existing training guidelines on
21 the construction, operation, maintenance, and in-
22 spection of electric generation, transmission, and
23 distribution facilities, such as those established by

1 the National Electric Safety Code and other indus-
2 try consensus standards.

3 **SEC. 1102. IMPROVED ACCESS TO ENERGY-RELATED SCI-**
4 **ENTIFIC AND TECHNICAL CAREERS.**

5 (a) DEPARTMENT OF ENERGY SCIENCE EDUCATION
6 PROGRAMS.—Section 3164 of the Department of Energy
7 Science Education Enhancement Act (42 U.S.C. 7381a)
8 is amended by adding at the end the following:

9 “(c) PROGRAMS FOR STUDENTS FROM UNDERREP-
10 RESENTED GROUPS.—In carrying out a program under
11 subsection (a), the Secretary shall give priority to activi-
12 ties that are designed to encourage students from under-
13 represented groups to pursue scientific and technical ca-
14 reers.”.

15 (b) PARTNERSHIPS WITH HISTORICALLY BLACK
16 COLLEGES AND UNIVERSITIES, HISPANIC-SERVICING IN-
17 STITUTIONS, AND TRIBAL COLLEGES.—The Department
18 of Energy Science Education Enhancement Act (42
19 U.S.C. 7381 et seq.) is amended—

20 (1) by redesignating sections 3167 and 3168 as
21 sections 3168 and 3169, respectively; and

22 (2) by inserting after section 3166 the fol-
23 lowing:

1 **“SEC. 3167. PARTNERSHIPS WITH HISTORICALLY BLACK**
2 **COLLEGES AND UNIVERSITIES, HISPANIC-**
3 **SERVING INSTITUTIONS, AND TRIBAL COL-**
4 **LEGES.**

5 “(a) DEFINITIONS.—In this section:

6 “(1) HISPANIC-SERVING INSTITUTION.—The
7 term ‘Hispanic-serving institution’ has the meaning
8 given that term in section 502(a) of the Higher
9 Education Act of 1965 (20 U.S.C. 1101a(a)).

10 “(2) HISTORICALLY BLACK COLLEGE OR UNI-
11 VERSITY.—The term ‘historically Black college or
12 university’ has the meaning given the term ‘part B
13 institution’ in section 322 of the Higher Education
14 Act of 1965 (20 U.S.C. 1061).

15 “(3) NATIONAL LABORATORY.—The term ‘Na-
16 tional Laboratory’ has the meaning given that term
17 in section 902 of the Energy Policy Act of 2003.

18 “(4) SCIENCE FACILITY.—The term ‘science fa-
19 cility’ has the meaning given the term ‘single-pur-
20 pose research facility’ in section 902 of the Energy
21 Policy Act of 2003.

22 “(5) TRIBAL COLLEGE.—The term ‘tribal col-
23 lege’ has the meaning given the term ‘Tribal College
24 or University’ in section 316(b)(3) of the Higher
25 Education Act of 1965 (20 U.S.C. 1059c(b)(3)).

1 “(b) EDUCATION PARTNERSHIP.—The Secretary
2 shall direct the Director of each National Laboratory and,
3 to the extent practicable, the head of any science facility
4 to increase the participation of historically Black colleges
5 or universities, Hispanic-serving institutions, or tribal col-
6 leges in activities that increase the capacity of the histori-
7 cally Black colleges or universities, Hispanic-serving insti-
8 tutions, or tribal colleges to train personnel in science or
9 engineering.

10 “(c) ACTIVITIES.—An activity under subsection (b)
11 may include—

12 “(1) collaborative research;

13 “(2) equipment transfer;

14 “(3) training activities conducted at a National
15 Laboratory or science facility; and

16 “(4) mentoring activities conducted at a Na-
17 tional Laboratory or science facility.

18 “(d) REPORT.—Not later than 2 years after the date
19 of enactment of the Energy Policy Act of 2003, the Sec-
20 retary shall submit to Congress a report on the activities
21 carried out under this section.”.

22 **SEC. 1103. NATIONAL POWER PLANT OPERATIONS TECH-**
23 **NOLOGY AND EDUCATION CENTER.**

24 “(a) ESTABLISHMENT.—The Secretary shall support
25 the establishment of a National Power Plant Operations

1 Technology and Education Center (in this section referred
2 to as the “Center”), to address the need for training and
3 educating certified operators for nonnuclear electric power
4 generation plants.

5 (b) ROLE.—The Center shall provide both training
6 and continuing education relating to nonnuclear electric
7 power generation plant technologies and operations. The
8 Center shall conduct training and education activities on
9 site and through Internet-based information technologies
10 that allow for learning at remote sites.

11 (c) CRITERIA FOR COMPETITIVE SELECTION.—The
12 Secretary shall support the establishment of the Center
13 at an institution of higher education with expertise in
14 power plant technology and operation and with the ability
15 to provide onsite as well as Internet-based training.

16 **SEC. 1104. INTERNATIONAL ENERGY TRAINING.**

17 (a) IN GENERAL.—The Secretary of Energy, in con-
18 sultation with the Secretaries of Commerce, Interior, and
19 State and the Federal Energy Regulatory Commission,
20 shall coordinate training and outreach efforts for inter-
21 national commercial energy markets in countries with de-
22 veloping and restructuring economies.

23 (b) COMPONENTS.—The efforts may address—

24 (1) production-related fiscal regimes;

25 (2) grid and network issues;

1 (3) energy user and demand side response;

2 (4) international trade of energy; and

3 (5) international transportation of energy.

4 (c) AUTHORIZATION OF APPROPRIATIONS.—There
5 are authorized to be appropriated to carry out this section
6 \$1,500,000 for each of fiscal years 2004 through 2007.